## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref<br># | Hits | Search Query   | DBs                              | Default<br>Operator | Plurals | Time<br>Stamp       |
|----------|------|--|----------------------------------|---------------------|---------|---------------------|
| S1       | 1    | ("5575817").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/02/06<br>13:07 |
| S2       | 1    | ("5855598").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/02/11<br>15:35 |
| S3       | 5    | (("4501263") or ("6015429") or ("5197976")<br>or ("5476506") or ("6554858")).PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>10:41 |
| S4       | 1    | ("4562597").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>10:46 |
| S5       | 8    | (("5683449") or ("6302906") or ("4173689")<br>or ("4323525") or ("4459252") or ("4475972")<br>or ("4512338") or ("4655771")).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>11:09 |
| S8       | 828  | (623/1.16).COLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>11:40 |
| S7       | 898  | (623/1.13).COLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>11:40 |
| S6       | 1992 | (623/1.15).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>11:40 |
| S9       | 40   | (623/1.27).OCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>11:41 |
| S10      | 1    | ("5632772").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>11:59 |
| S11      | 2    | (("5632772") or ("5639278")).PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>12:03 |
| S12      | 1    | ("5723004").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/11/10<br>12:10 |

| S13  | 569 | (623/1.35).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/11/10<br>12:29 |
|------|-----|--|----------------------------------|----|-----|---------------------|
| S14  | 65  | ("3272204"   "4204525"   "4208745"  <br>"4225979"   "4240434"   "4311659"  <br>"4313231").PN. OR ("4501263").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/11/10<br>12:34 |
| S15  | 603 | (623/1.35).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/05/05<br>09:45 |
| S16  | 881 | (623/1.16).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/05/05<br>10:15 |
| S17  | 934 | (623/1.13).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/05/05<br>10:41 |
| S18  | 987 | (623/1.13).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/11/04<br>13:46 |
| S19  | 4   | (("5683449") or ("5507767") or ("5236447")<br>or ("4994071")).PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/06/02<br>14:24 |
| S21  | 187 | ("4553545"   "4731073"   "4878906"  <br>"4990158").PN. OR ("5236447").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:04 |
| S20  | 111 | ("2978787"   "3805301").PN. OR<br>("5197976").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:04 |
| S22  | 312 | ("3657744"   "4140126"   "4776337"  <br>"5078726"   "5122154"   "5195984").PN. OR<br>("5316023").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:05 |
| \$23 | 204 | ("4173689"   "4323525"   "4459252"   "4475972"   "4512338"   "4555771"   "4580568"   "4712553"   "4731073"   "4733665"   "4738740"   "4800882"   "4816028"   "4873308"   "4878908"   "4950227"   "4954126"   "4994071"   "5019090"   "5104399"   "5116360"   "5156620"   "5171262"   "5195984"   "5236447"   "5282823"   "5290305"   "5330500"   "5354308"   "5356423"   "5360443"   "5385580"   "5443499").PN. OR ("5632772").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:06 |
| S24  | 73  | ("2857915"   "2990605"   "3119392"  <br>"3479670").PN. OR ("3805301").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:09 |
| S25  | 211 | ("2127903"   "3142067"   "3254651"  <br>"3304557"   "3316557"   "3479670"  <br>"3805301"   "3945052"   "4047252"  <br>"4164045"   "4190909"   "4193137"  | US-<br>PGPUB;<br>USPAT;<br>USOCR |    | OFF | 2010/07/12<br>14:14 |

|      |      | "4208745"   "4229838"   "4250138"  <br>"4282011"   "4304010"   "4306318"  <br>"4313231"   "4321914"   "4501263"  <br>"4517687"   "4530113").PN. OR<br>("4892539").URPN.   |                                  |    |     |                     |
|------|------|---|----------------------------------|----|-----|---------------------|
| S26  | 203  | ("3657744"   "3805301"   "4562596"  <br>"4875480"   "5104399"   "5360443").PN. OR<br>("5562726").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:16 |
| S27  | 530  | ("3221746"   "3509883").PN. OR<br>("3657744").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:18 |
| S28  | 1416 | (606/153).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/12<br>14:23 |
| S29  | 42   | (("5156620") or ("5171262") or ("5195984") or ("5104399") or ("5116360") or ("5236447") or ("5290305") or ("5330500") or ("5354308") or ("5356423") or ("4580568") or ("4731073") or ("4816028") or ("4873308") or ("4878908") or ("4950227") or ("4954126") or ("5282823") or ("5443499") or ("3700380") or ("4286341") or ("4140126") or ("4787899") or ("4503569") or ("4739762") or ("4776337") or ("5092877") or ("5229431") or ("5133742") or ("5336500") or ("5219355") or ("5061275") or ("6302906") or ("5683449") or ("5507767") or ("5597769") or ("4544599") or ("4678468") or ("4503560") or ("4544599") or ("4655771") or ("5545211")).PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/21<br>13:04 |
| S30  | 2    | ("3301824").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/07/21<br>13:17 |
| S31  | 4    | (("4776337") or ("5266073") or ("4374669")<br>or ("5306286")).PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/07<br>10:27 |
| \$32 | 98   | ("3526005"   "3685059"   "3700380"   "4140126"   "4173689"   "4286341"   "4300244"   "4323525"   "4374669"   "4459252"   "4475972"   "4501263"   "4503560"   "4503569"   "4512338"   "4544599"   "4553545"   "4555771"   "4562596"   "4562597"   "4580568"   "4604762"   "4655771"   "4678468"   "4712553"   "4731073"   "4733665"   "47878740"   "4739762"   "4766337"   "4768507"   "4776337"   "4786556"   "4787899"   "4800882"   "4816028"   "4820298"   "4836884"   "4873308"   "4878906"   "4878908"   "4879135"   "4994071"   "5019090"   "5019393"   "5061275"   "5092877"   "5104399"   "5116360"   "5122154"   "5133742"   "5195984"   "5197976"   "5213580"   "5219355"   "5229431"   "5236447"   "5263992"   "5266073"   "5282823" | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/07<br>10:40 |

| S34  | 2   | "5290305"   "5306286"   "5330500"   "5334201"   "5336500"   "5354308"   "5356423"   "5360443"   "5385580"   "5387235"   "5405377"   "5443499"   "5464450"   "5476506"   "5507767"   "5507769"   "5522881"   "5545211"   "5562724"   "5575817"   "5591228"   "5632772"   "5639278"   "5653747"   "5683449"   "0528823"   "6015429"   "6302906"   "6554858"   "6843803").PN.  (("3,953,566") or ("4,973,609")).PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/07<br>10:50 |
|------|-----|--|----------------------------------|----|-----|---------------------|
| S33  | 115 | ("2978787"   "3805301").PN. OR<br>("5197976").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/07<br>10:50 |
| \$35 | 77  | ("3945052"   "4503569"   "4512338"   "4550447"   "4647416"   "4718907"   "4728328"   "4774949"   "4820298"   "4957508"   "5019090"   "5035706"   "5064435"   "5078726"   "5151105"   "5163958"   "5211658"   "5219355"   "5226913"   "5229045"   "5282824"   "5282847"   "5316023"   "5330500"   "5354308"   "5360443"   "5366504"   "5370683"   "5383928"   "5387621"   "5397345"   "5405377"   "5425765"   "5425767"   "5443496"   "5443499"   "5545210"   "5545220"   "5556426"   "5562724"   "5584885"   "5591229"   "5609627"   "5617878"   "5618301"   "5628783"   "5632763"   "5632772"   "5662675"   "5676697"   "5683449"   "5733325"   "5735290"   "5769885"   "6576009").PN. OR ("6843803").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/07<br>12:14 |
| S36  | 1   | ("5860998").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2011/01/07<br>08:40 |

## **EAST Search History (Interference)**

| Ref<br># | Hits | Search Query   | 1 :            | Default<br>Operator | Plurals | Time<br>Stamp       |
|----------|------|--|----------------|---------------------|---------|---------------------|
| S37      |      | ((623/1.13) or (623/1.15) or (623/1.16) or (623/1.27) or (623/1.35)).CCLS. | USPAT;<br>UPAD | OR                  | OFF     | 2012/08/27<br>11:01 |
| S40      | 18   | S39 and leg.clm.   | USPAT;<br>UPAD | OR                  | OFF     | 2012/08/27<br>11:04 |
| S39      | 37   | S38 and trunk.clm.   | USPAT;<br>UPAD | OR                  | OFF     | 2012/08/27<br>11:04 |
| S38      | 630  | S37 and graft.dm.  | USPAT;<br>UPAD | OR                  | OFF     | 2012/08/27<br>11:04 |
| S41      | 3    | S40 and liner.clm.   | USPAT;<br>UPAD | OR                  | OFF     | 2012/08/27<br>11:05 |

8/ 27/ 2012 11:16:14 AM H:\ EAST Workspaces\ 09657041.wsp